



**Substitute for form 1449A/PTO**

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(use as many sheets as necessary)*

Sheet **1 of 5** Attorney Docket Number **67824.407425**

## **U.S. PATENT DOCUMENTS**

**EXAMINER SIGNATURE**

Lottsl

**DATE CONSIDERED**

9.11.07

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute for form 1449/PTO		<b>Application Number</b>	10725,489
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>		<b>Filing Date</b>	December 3, 2003
		<b>First Named Inventor</b>	Mark ZOLLER
		<b>Art Unit</b>	1647
		<b>Examiner Name</b>	Robert S. Landsman
<b>Sheet</b>	<b>3 of 5</b>	<b>Attorney Docket Number</b>	67824.407425

**OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS**

*Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	TRANSLATION	
			YES	NO
BL	19.	Xiadong Li, et al., "Human Receptors for Sweet and umami taste", Proceeding of the National Academy of Science, Vol. 99, No. 7, pg. 4692-4696, April 2, 2002.	<input type="checkbox"/>	<input type="checkbox"/>
	20.	Database EMBL 'Online!, embl heidelberg; Acc#: Ac062024, June 21, 2000.	<input type="checkbox"/>	<input type="checkbox"/>
	21.	E. Adler, et al., "A Novel Family of Mammalian Taste Receptors", Cell, Vol. 100, No. 6, pg. 693-702, March 17, 2000.	<input type="checkbox"/>	<input type="checkbox"/>
	22.	Guo, et al., "Protein Tolerance to Random Amino Acid change", PNAS, Vol. 101, No. 25, pg. 9205-9210, June 22, 2004.	<input type="checkbox"/>	<input type="checkbox"/>
	23.	Nelson, et al., "Mammalian Sweet Taste Receptors", Cell, Vol. 106, pg. 381-390, August 10, 2001.	<input type="checkbox"/>	<input type="checkbox"/>
	24.	Nelson, et al., "An Amino-acid Taste Receptor", Nature, Vol. 416, pg. 199-202, March 14, 2002.	<input type="checkbox"/>	<input type="checkbox"/>
	25.	Alexander, et al., "Altering the Antigenicity of proteins", Proc. Natl. Acad. Sci. USA, Vol. 89, pg. 3352-3356, April 1992.	<input type="checkbox"/>	<input type="checkbox"/>
	26.	Bowie, et al., "Deciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions", Science, Vol. 247, pg. 1306-1310, March 16, 1990.	<input type="checkbox"/>	<input type="checkbox"/>
	27.	Krautwurst, et al., "Identification of Ligands for Olfactory Receptors by Functional Expression of a Receptor Library", Cell, Vol. 95, pg. 917-926, December 23, 1998.	<input type="checkbox"/>	<input type="checkbox"/>
	28.	GenBank Accession Number AL139287, clone RP5-89003, February 13, 2000.	<input type="checkbox"/>	<input type="checkbox"/>
	29.	GenBank Accession Number AA907022, May 19, 1998.	<input type="checkbox"/>	<input type="checkbox"/>

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Substitute for form 1449/PTO			<b>Application Number</b>	<b>10/725,489</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>			<b>Filing Date</b>	<b>December 3, 2003</b>	
			<b>First Named Inventor</b>	<b>Mark ZOLLER</b>	
			<b>Art Unit</b>	<b>1647</b>	
			<b>Examiner Name</b>	<b>Robert S. Landsman</b>	
<b>Sheet</b>	<b>4 of 5</b>		<b>Attorney Docket Number</b>	<b>67824.407425</b>	
<b>OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS</b>					
*Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			TRANSLATION YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ML	30.	Hoon, et al., "Putative Mammalian Taste Receptors: A Class of Taste-Specific GPCRs with Distinct Topographic Selectivity", Cell, Vol. 96, pg. 541-551, February 19, 1999.			<input type="checkbox"/> <input checked="" type="checkbox"/>
	31.	Lindemann, "A Taste for Umami", Nature Neuroscience, ol. 3, No. 2, pg. 99-100, February 2000.			<input type="checkbox"/> <input checked="" type="checkbox"/>
	32.	Perruccio, et al., "Possible Role for gustducin in Taste Transduction in Hirudo Medicinalis", Society for Neuroscience Abstracts, Vol. 26, No. 1-2, Abstract No. 66.15, 2000.			<input type="checkbox"/> <input checked="" type="checkbox"/>
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STATEMENT BY APPLICANT**

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Sheet

4 of 4 5 of 5

Application Number

10/725,080

Filing Date

December 2, 2003

First Named Inventor

Mark ZOLLER

Art Unit

1647

Examiner Name

Robert S. Landsman

Attorney Docket Number

67824.407423

**OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS**

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	33.	Alexander, et al., "Altering the Antigenicity of proteins", Proc. Natl. Acad. Sci. USA, Vol. 89, pg. 3352-3356, April 1992.	<input type="checkbox"/>	<input type="checkbox"/>
	34.	Bowie, et al., "Deciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions", Science, Vol. 247, pg. 13061310, March 16, 1990.	<input type="checkbox"/>	<input type="checkbox"/>
	35.	Krautwurst, et al., "Identification of Ligands for Olfactory Receptors by Functional Expression of a Receptor Library", Cell, Vol. 95, pg. 917-926, December 23, 1998.	<input type="checkbox"/>	<input type="checkbox"/>
	36.	GenBank Accession Number AL139287, clone RP5-89003, February 13, 2000.	<input type="checkbox"/>	<input type="checkbox"/>
	37.	GenBank Accession Number AA907022, May 19, 1998.	<input type="checkbox"/>	<input type="checkbox"/>
	38.	Hoon, et al., "Putative Mammalian Taste Receptors: A Class of Taste-Specific GPCRs with Distinct Topographic Selectivity", Cell, Vol. 96, pg. 541-551, February 19, 1999.	<input type="checkbox"/>	<input type="checkbox"/>
	39.	Lindemann, "A Taste for Umami", Nature Neuroscience, ol. 3, No. 2, pg. 99-100, February 2000.	<input type="checkbox"/>	<input type="checkbox"/>
	40.	Perruccio, et al., "Possible Role for gustducin in Taste Transduction in Hirudo Medicinalis", Society-for-Neuroscience Abstracts, Vol. 26, No. 1-2, Abstract No. 66.15, 2000.	<input type="checkbox"/>	<input type="checkbox"/>
PN	41.	Wolfgang Böningk, et al., "The Native Rat Olfactory Cyclic Nucleotide-Gated Channel is Composed of Three Distinct Subunits", The Journal of Neuroscience, Vol. 19, No. 136, pg. 5332-5347, July 1, 1999.	<input type="checkbox"/>	<input type="checkbox"/>
M	42.	Sue C. Kinnamon and Thomas A. Cummings, "Chemosensory Transduction Mechanisms in Taste", Annu. Rev. Physiol., Vol. 54, pg. 715-731, 1992.	<input type="checkbox"/>	<input type="checkbox"/>
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		Art Unit	1647		
		Examiner Name	Robert S. Landsman		
Sheet	1 of 2	Attorney Docket Number	67824.407425		
<b>U.S. PATENT DOCUMENTS</b>					
*Examiner Initials	Cite No.	DOCUMENT NUMBER Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
M	1.	US- 2003/0166137	09-04-2003	Zuker, et al.	
L	2.	US- 2005/0106571	05-19-2005	Erlenbach, et al.	
C	3.	US- 2007/0105159	05-10-2007	Erlenbach, et al.	
	4.	US- 2004/0086877	05-06-2004	Lal et al.	
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